

Amendments to the Claims

Please amend the following claim as indicated below:

1. (Currently amended) A method of forming a foam product comprising the steps of:

forming a layer of uncured thermosetting polyurethane foam;

applying to said layer of uncured foam a layer of bubble pack made of a thermoplastic polyurethane material capable of bonding to polyurethane, such that the bubbles that extend outwardly from said bubble pack at least partially penetrate into said uncured foam; and

curing said layer of uncured thermosetting polyurethane foam, whereby said thermosetting polyurethane foam chemically bonds to said thermoplastic polyurethane bubble pack.

2. (Original) The method of Claim 1, wherein said bubbles that extend outwardly from said bubble pack substantially completely penetrate into said uncured foam

3. (Original) The method of Claim 1, wherein said thermosetting polyurethane foam is about 1 to 10 mm in thickness.

4. (Original) The method of Claim 1, wherein said thermosetting polyurethane foam is about 2 to 5 mm in thickness.

5. (Original) The method of Claim 1, wherein said thermosetting polyurethane foam is cured by heating it to a temperature of about 110° to 325°F.

6. (Currently amended) A method of forming a foam product comprising the steps of:

applying to a layer of bubble pack made of thermoplastic polyurethane material capable of bonding to polyurethane a layer of frothed, uncured thermosetting

polyurethane foam, such that bubbles that extend outwardly from said bubble pack are at least partially surrounded by said uncured foam; and

curing said layer of uncured thermosetting polyurethane foam, whereby said thermosetting polyurethane foam chemically bonds to said ~~thermoplastic polyurethane~~ bubble pack.

7. (Original) The method of Claim 6, wherein said bubbles that extend outwardly from said bubble pack substantially completely penetrate into said uncured foam

8. (Original) The method of Claim 6, wherein said thermosetting polyurethane foam is about 1 to 10 mm in thickness.

9. (Original) The method of Claim 6, wherein said thermosetting polyurethane foam is about 2 to 5 mm in thickness.

10. (Original) The method of Claim 6, wherein said thermosetting polyurethane foam is cured by heating it to a temperature of about 110° to 325°F.

11. (Currently amended) A method of forming a foam product comprising the steps of:

forming a layer of frothed, uncured thermosetting polyurethane foam, said layer of foam having a first surface and a second surface;

applying to said first surface of said layer of uncured thermosetting polyurethane foam a layer of bubble pack made of thermoplastic polyurethane material capable of bonding to polyurethane, said bubble pack having a plurality of bubbles that project outwardly from said layer;

applying pressure to said layer of uncured polymeric thermosetting polyurethane foam and said layer of bubble pack so that said uncured polymeric thermosetting polyurethane foam at least partially surrounds each bubble of said plurality of outwardly projecting bubbles; and

applying to said second surface heat of a temperature and for a time sufficient to cure said layer of uncured polymeric foam, but not sufficient to adversely affect said layer of bubble pack.

13. (Original) The method of Claim 11, wherein said thermosetting polyurethane foam is about 1 to 10 mm in thickness.

14. (Original) The method of Claim 11, wherein said thermosetting polyurethane foam is about 2 to 5 mm in thickness.

15. (Original) The method of Claim 11, wherein said thermosetting polyurethane foam is cured by heating it to a temperature of about 110° to 325°F.

16. (Currently amended) A method of forming a foam product comprising the steps of:

applying to a substrate a layer of frothed, uncured thermosetting polyurethane foam;

applying to said layer of uncured foam on said substrate a layer of bubble pack made of thermoplastic polyurethane material capable of bonding to polyurethane,

applying pressure to said layer of uncured polymeric foam and said layer of bubble pack such that bubbles that extend outwardly from said bubble pack at least partially penetrate into said uncured foam; and

curing said layer of uncured foam to form a laminate comprising said substrate, said cured foam and said bubble pack.

17. (Original) The method of Claim 16, wherein said substrate is a fabric.

18. (Original) The method of Claim 16, wherein said substrate is a carpet.

19. (Original) The method of Claim 16, wherein said substrate is paper.

20. (Original) The method of Claim 16, wherein said substrate is a plastic film.

21. (Original) The method of Claim 20, wherein said plastic film is selected from polyurethane, polyethylene and polypropylene.

22. (Currently amended) A method of forming a foam product comprising the steps of:

applying to a layer of bubble pack made from thermoplastic polyurethane material capable of bonding to polyurethane a layer of frothed, uncured thermosetting polyurethane foam, such that bubbles that extend outwardly from said bubble pack are at least partially surrounded by said uncured foam;

applying to said layer of uncured polymeric foam on said bubble pack a substrate; and

curing said layer of uncured polymeric foam.

23. (Original) The method of Claim 22, wherein said substrate is a fabric.

24. (Original) The method of Claim 22, wherein said substrate is a carpet.

25. (Original) The method of Claim 22, wherein said substrate is paper.

26. (Original) The method of Claim 22, wherein said substrate is a plastic film.

27. (Currently amended) The method of Claim 22 26, wherein said film is selected from polyurethane, polyethylene and polypropylene.

28-40. (Cancelled).

41. (Currently amended) A method of forming a product comprising the steps of: applying to a layer of thermoplastic polyurethane bubble pack having a plurality of bubbles that extend outwardly from said bubble pack and also have interstices between adjacent bubbles a thermosetting viscoelastic polyurethane composition, such that the thermosetting viscoelastic polyurethane composition at least partially fills the interstices of said bubble pack; and

curing said thermosetting viscoelastic polyurethane composition, whereby said thermosetting viscoelastic polyurethane composition chemically bonds to said bubble pack.

42. (Currently amended) The method of Claim + 41, wherein said bubble pack is made from a plastic material selected from polyurethane, polyethylene and or polypropylene.

43. (Currently amended) The method of Claim + 41, wherein said bubble pack is made from thermoplastic polyurethane.

44. (Currently amended) The method of Claim + 41, wherein said viscoelastic composition substantially fills the interstices of said bubble pack.

45. (Cancelled).

46. (Currently amended) The method of Claim + 41, wherein said bubble pack is about 3/32 to 1 inch in thickness.

47. (Currently amended) The method of Claim + 41, wherein said viscoelastic composition is cured by heating it to a temperature of about 110° to 325° F.

48. (Currently amended) A method of forming a product comprising the steps of: forming a layer of a thermosetting viscoelastic polyurethane composition; applying to said layer of thermosetting viscoelastic polyurethane composition a layer of bubble pack having a plurality of bubbles that extend outwardly from said bubble

pack and also have interstices between adjacent bubbles, such that the thermosetting viscoelastic polyurethane composition at least partially fills the interstices of said bubble pack, wherein said bubble pack is made from a thermoplastic material capable of bonding to polyurethane; and

curing said thermosetting viscoelastic polyurethane composition, whereby said thermosetting viscoelastic polyurethane composition chemically bonds to said bubble pack.

49. (Currently amended) The method of Claim 24 63, wherein said substrate is a fabric.

50. (Currently amended) The method of Claim 24 63, wherein said substrate is a carpet.

51. (Currently amended) The method of Claim 24 63, wherein said substrate is paper.

52. (Currently amended) The method of Claim 24 63, wherein said substrate is a plastic film.

53. (Currently amended) The method of Claim 24 48, wherein said plastic film thermoplastic material is selected from polyurethane, polyethylene and or polypropylene.

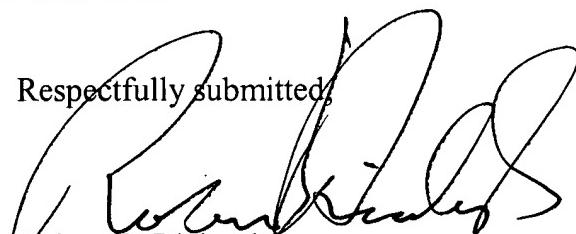
54-62. (Cancelled).

Please add the following new Claim 63.

63. (New) The method of Claim 41 further comprising applying a substrate to said thermosetting viscoelastic polyurethane composition before said thermosetting viscoelastic polyurethane composition is completely cured so as to adhere said substrate to said thermosetting viscoelastic polyurethane composition.

Conclusion:

Applicants respectfully request reconsideration of the present application in view of the foregoing amendment. Applicants submit that all claims are in condition for allowance. Such action is courteously solicited. Applicants further request that the Examiner call the undersigned counsel if allowance of the claims can be facilitated by examiner's amendment, telephone interview or otherwise.

Respectfully submitted,

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